

CLAIMS:

1. A magnetic resonance imaging system comprising:
  - a magnet that induces a static magnetic field required for magnetic resonance imaging;
  - a supporting device that supports said magnet and stands on a placement surface, wherein:
    - said supporting device comprises:
      - a posture adjusting device for adjusting the posture of said magnet; and
      - an attenuating device for attenuating a vibration applied through said placement surface into a vibration whose frequency is different from the resonant frequency of said magnet.
2. A magnetic resonance imaging system according to Claim 1, wherein said supporting device includes the number of pieces of supporting device required to adjust the posture of said magnet so that said magnet will face in any direction.
3. A magnetic resonance imaging system comprising:
  - a magnet that induces a static magnetic field required for magnetic resonance imaging; and
  - three pieces of supporting device that support said magnet and stand on a placement surface, wherein:
    - said three pieces of supporting device each include an attenuating device that attenuates a vibration applied through said placement surface

into a vibration whose frequency is different from the resonant frequency of said magnet; and

at least two of said three pieces of supporting device include a posture adjusting device that adjusts the posture of said magnet.

4. A magnetic resonance imaging system according to Claim 3, wherein said three pieces of supporting device are arranged triangularly.

5. A magnetic resonance imaging system according to Claim 4, further comprising another supporting device that has said posture adjusting device.

6. A magnetic resonance imaging system according to Claim 1, wherein said supporting device is made of a non-magnetic material.

7. A magnetic resonance imaging system according to Claim 1, wherein said posture adjusting device included in said supporting device comprises:

a female screw fixed to the attachment side of said magnet;

a male screw which is meshed with said female screw and whose length is varied depending on turning;

a locking member that restricts the turning of said male screw;  
and

a supporting member that supports said male screw on a support surface.

8. A magnetic resonance imaging system according to Claim 7, wherein said support surface of said supporting member is a slide surface on which said male screw member can slide.

9. A magnetic resonance imaging system according to Claim 8, wherein said slide surface is realized with rollers arranged to spread radially from the center axis of rotation of said male screw.

10. A magnetic resonance imaging system according to Claim 7, wherein said male screw includes a pressed section, and a pressing member that presses the pressed side of said pressed section so as to lock said male screw.

11. A magnetic resonance imaging system according to Claim 10, wherein said pressing member is realized with cover members that clamp said male screw and press said press side.

12. A magnetic resonance imaging system according to Claim 1, wherein said attenuating device is interposed between said placement surface and said posture adjusting device.

13. A magnetic resonance imaging system according to Claim 1, wherein said attenuating device is made of a rubber material.

14. A magnetic resonance imaging system according to Claim 13, wherein said rubber material is formed like a sheet.

15. A magnetic resonance imaging system according to Claim 14, wherein the resonant frequency of said attenuating device made of said rubber material formed like a sheet ranges from 25 Hz to 30 Hz.